

Order 8586

Ship 28 SEPT



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

004933

D139-799-015
Job Sheet 181696



Part No: D139-799-015

Job Qty: 3 ea

Part Name: Engine Wash



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 8/4/18

Job Tracking No:

Due Date: 8/28/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: IIN-D139-799 REV.O IPP Rev:B 11.07.04 new issue DD verf:JLM IPP REV:B AS PER ECN 11-598 11-06-05
JLM VERF BY:DD IPP Rev:C 11.09.27 PER CHG003 DD verf:EC IPP Rev:D 13.09.24 PER CHG005/ECN13-
579 DD verf:JLM IPP REV:E 16.10.13 AS PER IIN REV.L DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time
90	Start up Operation	3 Ea	8/28/18	8/28/18	0.00	0.00	Start Up Stores/Pkg-1	
110	Packaging	3 pcs	8/28/18	8/28/18	0.00	0.00	Packaging1-1	
120	QC	3 pcs	8/28/18	8/28/18	0.00	0.00	QC4	
130	Packaging	3 pcs	8/28/18	8/28/18	0.00	0.00	Packaging3-1	
135	DC	3 pcs	8/28/18	8/28/18	0.00	0.00	DC	
140	QC21-FG	3 Ea	8/28/18	8/28/18	0.00	0.00	QC21	

AUG 09 2018

Sign-off

AUG 10 2018
AUG 23 2018

FG09

Part Op 130 - Identify and pack for shipping as per PPP D139-799-015 PPP rev: _____
Descriptions: 135 - Photocopy bluefile & type labels per PPP D139-799-015 CHG006

21
9-89

AUG 23 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3C3A	Bolt	12 Ea (4 ea)	90-Start up Operation	5041124
AN3C5A	Bolt	9 Ea (3 ea)	90-Start up Operation	5057009
AN526-1032R16	Screw	12 Ea (4 ea)	90-Start up Operation	FM1347020
AN832-6J	Union	6 pcs (2 ea)	90-Start up Operation	5082935x4 5093657 x2
AN924-6J	Nut	12 Ea (4 ea)	90-Start up Operation	5082935x4 5093657 x2
CB2000CRA3-28	Stud	9 Ea (3 ea)	90-Start up Operation	5099347
CB4022V3CR8	Anchor Nut	9 Ea (3 ea)	90-Start up Operation	5082911
CB91	Acrylic Adhesive, 3.5G	6 pcs (2 ea)	90-Start up Operation	FM1347020
D4121-1	Hose Assembly	6 Ea (2 ea)	90-Start up Operation	5092562x2 5095810x4
D4121-3	Hose Assembly	3 Ea (1 ea)	90-Start up Operation	5081244
D4121-5	Hose Assembly	3 Ea (1 ea)	90-Start up Operation	5084183
D4131-041	Manifold Assembly	3 Ea (1 ea)	90-Start up Operation	5096125x2 5003108x1
D4131-043	Doubler Assembly	3 Ea (1 ea)	90-Start up Operation	5084543
D4146-1	Fitting	6 Ea (2 ea)	90-Start up Operation	5094843
D4182-1	Fitting, Quick Disconnect	6 Ea (2 ea)	90-Start up Operation	5082880
D4384-1	Placard	3 Ea (1 ea)	90-Start up Operation	5064099x2 5092301x1
MS21043-3	Nut	30 Ea (10 ea)	90-Start up Operation	5062620
MS21919-WDG9	Clamp	27 Ea (9 ea)	90-Start up Operation	5092893 5083553
MS21919WCH16	Clamp	6 Ea (2 ea)	90-Start up Operation	5090808
MS21919WCH4	Clamp	6 Ea (2 ea)	90-Start up Operation	5090809
MS21919WCH9	Clamp	12 Ea (4 ea)	90-Start up Operation	5090892

02/01/19

AK

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____		DISPOSITION		AGAINST DEPARTMENT/PROCESS							
Part No. _____		Rework ☐		Skid-tube ☐		Cross tube ☐		Water Jet ☐		Engineering ☐	
NCR No. _____		Scrap ☐		Machining ☐		Small Fab ☐		Prod. Eng. Coord. ☐		Quality ☐	
		Use-as-is ☐		Thermoforming ☐		Finishing ☐		Rec/Store/Packaging ☐		Other ☐	
		Suspected Unapproved ☐		Large Fahl ☐		Composites ☐		Supplier ☐			
Date : _____										MRB (QSI042) Approval	
Description Work _____										Completed By	
										Lead hand / Supervisor Approval Verification	
										QC / QA Coordinator Approval	
Root Cause											
Environment ☐	No Re-verification ☐									Positioned Wrong ☐	
Design ☐	Operator ☐									Outside Dimensions ☐	
Doc/Data ☐	Offset/Setup ☐									Over/Under tolerance ☐	
Equip/Tooling ☐	Supplier ☐									Part Incorrect ☐	
Handling/Pre ☐	Training ☐									Part Lost/Missing ☐	
Material ☐	Use for Testing ☐									Part Moved ☐	
Internal Transport ☐	Poor Information ☐									Drawing ☐	
Tribal Knowledge ☐	Rushing ☐									Finish ☐	
LOA ☐	Product Improvement ☐									Misread ☐	
Substation ☐	Process Improvement ☐									Turning Sequence ☐	
Past Expiry Date ☐	Manufacturing Process ☐										
Misidentified ☐	Past Due ☐										
OTHER : _____											

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CANADA
TEL.: 1 813 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S100940
Part: D139-799-015
Job No: 181696
Serial No/Batch: S100940
Revision: 0
Inspector: _____
Exp Date: _____
Instructions: FAA STC SR02138SE 15/04/2016 TC STC LoA C-11-0841 11/11/14

DART
AEROSPACE

Broken/Damage/Defect ☐
Inspection Incomplete/Unqualified ☐
Contamination ☐
Countersink ☐
Cut Too Short ☐
Instructions Incomplete/Unclear ☐
Drill Holes ☐
Weld ☐
Wrong Stock Pulled ☐
Out of Sequence ☐
Off-set ☐
Mislabeled ☐
Fit/Function ☐
Misaligned/off center ☐

Crimp/Kink/Ripple/Wave ☐
Cuffs ☐
Crushing ☐
Heat Treat ☐
Wave/Twist in Tube ☐
Marks/Chatter ☐

NAS1149C0316R	Washer	18 Ea (6 ea)	90-Start up Operation
NAS1149C0332R	Washer	24 Ea (8 ea)	90-Start up Operation
NAS1149C0932R	Washer	12 Ea (4 ea)	90-Start up Operation
NAS43DD3-80N	Spacer	9 Ea (3 ea)	90-Start up Operation

FM136511
3049837
5056031
5083561

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	AN3C3A	12	287	0
	AN3C5A	9	2,895	0
	AN526-1032R16	12	29	0
	AN832-6J	6	28	0
	AN924-6J	12	38	0
	CB2000CRA3-28	9	25	0
	CB4022V3CR8	9	29	0
	CB91	6	18	0
	D4121-1	6	13	0
	D4121-3	3	16	0
	D4121-5	3	16	0
	D4131-041	3	2	0
	D4131-043	3	3	0
	D4146-1	6	12	0
	D4182-1	6	16	0
	D4384-1	3	15	0
	MS21043-3	30	750	0
	MS21919-WDG9	27	102	0
	MS21919WCH16	6	16	0
	MS21919WCH4	6	16	0
	MS21919WCH9	12	52	0
	NAS1149C0316R	18	272	0
	NAS1149C0332R	24	4,985	0
	NAS1149C0932R	12	164	0
	NAS43DD3-80N	9	19	0

Part Specifications

Specifications could not be found.

Plex 8/7/18 7:33 AM Dart.lajeunesse.marie

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Date :	Step #:	QTY Effective :	MRB (QSI042) Approval
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Description Work Order Deviation	Disposition	Completed By
		Lead hand / Supervisor Approval Verification
		QC / QA Coordinator Approval

Root Cause	FAULT CATEGORY																																																																			
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Change Record

PAGE 1 OF 1

Part Number: D139-799-015

Description: ENGINE WASH[illegible]

Qty -015	Part Number	Description
X	D139-799-015	ENGINE WASH KIT
2	D4121-1	HOSE ASSEMBLY
1	D4121-3	HOSE ASSEMBLY
1	D4121-5	HOSE ASSEMBLY
1	D4131-041	MANIFOLD ASSEMBLY
1	D4131-043	DOUBLER ASSEMBLY
2	D4146-1	FITTING
2	D4182-1	FITTING, QUICK DISCONNECT
1	D4384-1	PLACARD
3	AN3C5A	BOLT (or NAS6603-4)
4	AN3C3A	BOLT
4	AN526-1032R16	SCREW
2	AN832-6J	UNION (or AN837-6J)
4	AN924-6J	NUT
10	MS21043-3	NUT
4	NAS1149C0932R	WASHER (or AN960C916L)
8	NAS1149C0332R	WASHER (or AN960C10L)
6	NAS1149C0316R	WASHER (or AN960C10LL)
3	NAS43DD3-80N	SPACER
9	MS21919WDG09	CLAMP (or AS21919WDG09)
2	MS21919WCH4	CLAMP (or AS21919W CH4)
4	MS21919WCH9	CLAMP (or AS21919W CH9)
2	MS21919WCH16	CLAMP (or AS21919W CH16)
3	CB2000CRA3-28	STUD (or A366A3E30C)
3	CB4022V3CR8	ANCHOR NUT (or AW001TL3A08)
2	CB91	3.5g ACRYLIC ADHESIVE KIT

REFERENCE ONLY

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REFERENCE ONLY